

Delaware State Clearinghouse Committee Agenda

April 28, 2015

<i>Item</i>	<i>SAI#</i>	<i>Applicant</i>	<i>Project Title</i>	<i>Federal</i>	<i>Funding State</i>	<i>Other</i>	<i>Positions</i>		
							<i>Federal</i>	<i>State</i>	<i>Other</i>
<u>New Business</u>									
1	2203	Department of Health and Social Services, Public Health, Community Health	Domestic Ebola Supplement to Epi and Lab Capacity	\$1,217,696	\$0	\$0	1.00	0.00	0.00
2	2190	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Wildlife Restoration Outreach	\$73,875	\$24,625	\$0	0.09	0.09	0.00
3	2191	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Old Meadow Farm Acquisition	\$640,486	\$490,000	\$0	0.00	0.00	0.00
<u>Continued</u>									
4	1992 Amendment	Other Elective, Insurance Commissioner, Bureau of Examination, Rehabilitation and Guaranty	Medicare Improvements for Patients and Providers Act	\$43,832	\$0	\$0	0.00	0.00	0.00
5	2179	Department of Health and Social Services, Social Services	Summer Electronic Benefits Transfer for Children	\$293,013	\$0	\$0	0.00	0.00	0.00
6	2187	Department of Health and Social Services, State Service Centers	Community Services Block Grant	\$3,551,915	\$0	\$0	1.75	0.00	0.00
7	2202	Department of Health and Social Services, Public Health, Community Health	State Office of Rural Health	\$172,950	\$1,335,357	\$0	1.25	0.00	0.00
8	2189	Department of Natural Resources and Environmental Control, Office of Environmental Protection, Air Quality	Particulate Matter 2.5 - Air Quality Monitoring	\$311,018	\$0	\$0	1.50	0.00	0.00
9	2192	Department of Natural Resources and Environmental Control, Office of Natural Resources, Fish and Wildlife	Atlantic Flyway Canada Goose Cooperative Research and Survey Program	\$13,866	\$4,622	\$0	0.00	0.00	0.00
10	2198	Department of Safety and Homeland Security, State Police, Criminal Investigation	Delaware Information and Analysis Center Maritime Enhancements	\$220,000	\$0	\$0	0.00	0.00	0.00
11	2200	Department of Safety and Homeland Security, State Police, Traffic	Motor Carrier Safety Assistance Program	\$733,083	\$175,162	\$0	5.20	1.30	0.00
12	2015-02-11-01	Department of Safety and Homeland Security, State Police, Aviation	Marijuana Eradication	\$12,000	\$0	\$0	0.00	0.00	0.00
13	2204	Department of Labor, Employment and Training, Employment and Training Services	Trade Adjustment Assistance	\$724,306	\$0	\$0	1.25	0.00	0.00
<u>Higher Education</u>									
1	2015-03-28-01	HE/University of Delaware	Molecular Mechanisms Of Aniridia Fibrosis Syndrome	\$0	\$0	\$2,500			

2	2015-03-28-02	HE/University of Delaware	Moment-Based Computational Methods for Inferring Complex Biological Networks	\$182,811	\$0	\$0
3	2015-03-28-03	HE/University of Delaware	Microgrid And District Energy Project Byrne	\$0	\$0	\$100,000
4	2015-03-28-04	HE/University of Delaware	Terra Foundation Convening Grant McGee	\$0	\$0	\$16,898
5	2015-03-28-05	HE/University of Delaware	T-type Voltage Sensitive Calcium Channels in Mechanotransduction.	\$1,250,000	\$0	\$0
6	2015-03-28-06	HE/University of Delaware	microRNA Regulation of the Wnt Signaling Pathway is Essential for Proper Cellular	\$0	\$0	\$1,000
7	2015-03-28-07	HE/University of Delaware	NCAA-DoD Grand Alliance: Concussion Assessment, Research and Education (CARE) Consortium - Longitudinal Clinical Study Core (CSC)	\$0	\$0	\$227,535
8	2015-03-28-08	HE/University of Delaware	Stochastic Methods for Studying Complex Regulatory Circuits Inside Living Cells	\$0	\$0	\$418,921
9	2015-03-28-09	HE/University of Delaware	Impact of Hydrocarbon Remineralization on Seawater Carbonate Chemistry in the Northern Gulf of Mexico (nGOM)	\$0	\$0	\$234,970
10	2015-03-28-10	HE/University of Delaware	Control of L. monocytogenes, Salmonella spp. and Shiga Toxin-Producing E. coli in Foods Using Novel Phenolic Branched-Chain Fatty Acids	\$129,484	\$0	\$0
11	2015-03-28-11	HE/University of Delaware	Evaluation of the Efficacy of Antimicrobial Agents to Prevent the Transfer of Listeria Monocytogenes From Existing Biofilms to Produce or Processing Surfaces	\$0	\$0	\$104,553
12	2015-03-28-12	HE/University of Delaware	Characterization And Mitigation Of Ag Contact Degradation For Improved Reliability Of c-Si Modules	\$563,963	\$0	\$0
13	2015-03-28-13	HE/University of Delaware	Nemours Foundation/ Medicaid Asthma	\$0	\$0	\$79,205
14	2015-03-28-14	HE/University of Delaware	A Microalgae-Based Platform for the Beneficial Reuse of CO2 Emissions from Power Plants	\$0	\$0	\$145,740
15	2015-03-28-15	HE/University of Delaware	Systems Biology Approaches for Evaluating the Response of the Eastern Oyster Holobiont to Petroleum Exposure	\$0	\$0	\$1,507,879
16	2015-03-28-16	HE/University of Delaware	Probing the Ionic Liquid-vapor Interface by Ambient Pressure X-ray Photoelectron Spectroscopy	\$0	\$0	\$110,000
17	2015-03-28-17	HE/University of Delaware	Measuring and Predicting the Natural and Enhanced Rate and Capacity of Abiotic Reduction of Munition Constituents	\$900,510	\$0	\$0
18	2015-03-28-18	HE/University of Delaware	Pathomechanical Adaptations in Adolescent Baseball Pitchers	\$0	\$0	\$9,652
19	2015-03-28-19	HE/University of Delaware	Textile And Apparel Curriculum Development For A Sustainable Future	\$115,462	\$0	\$0
20	2015-03-28-20	HE/University of Delaware	Stabilization of Polymer-Based Nanocomposites Using Grafting of Highly Incompatible Copolymers	\$0	\$0	\$110,000
21	2015-03-28-21	HE/University of Delaware	DENSO Research Agreement	\$0	\$0	\$12,820
22	2015-03-28-22	HE/University of Delaware	Rapid Scanning Techniques For Identification Of PV Module Failures In The Field	\$709,803	\$0	\$0
23	2015-03-28-23	HE/University of Delaware	QuantTera/AF Phase 2 Quantum Dot GeSn Photonic Devices	\$0	\$0	\$40,261
24	2015-03-28-24	HE/University of Delaware	Early-life Induced Alterations in Epigenetics and Threat Responsiveness	\$275,000	\$0	\$0

25	2015-03-28-25	HE/University of Delaware	The role of Authigenic Silicates in the Stabilization of Labile Organic Matter During Early Stage Diagenesis	\$0	\$0	\$110,000
26	2015-03-28-26	HE/University of Delaware	Tooling Smallholder Farmers in the Face of Climate Change: A Simple and Sustainable Approach to Increase Rice Quantity and Quality through Silica Management	\$182,602	\$0	\$0
27	2015-03-28-27	HE/University of Delaware	Resubmission: Evaluation of a Novel Paradigm to Personalize AFOs for Individuals Post-Stroke	\$275,000	\$0	\$0
28	2015-03-28-28	HE/University of Delaware	Braitmeyer Foundation - Supporting The Career Paths Of Future Delaware Teachers	\$0	\$0	\$35,000
29	2015-03-28-29	HE/University of Delaware	A Plan For NASA/EPSCOR Research Infrastructure Development In Delaware	\$267,857	\$0	\$0
30	2015-03-28-30	HE/University of Delaware	P3: Prevent, Prepare, Protect: Reducing Teen Pregnancy in Delaware	\$0	\$0	\$53,155
31	2015-03-28-31	HE/University of Delaware	Mitigating Ammonia from Broilers Using Probiotic Feed Additives	\$0	\$0	\$36,001
32	2015-03-28-32	HE/University of Delaware	BBN/ARL NS CTA #13765 PY 6 and 7 Cotton	\$0	\$0	\$36,037
33	2015-03-28-33	HE/University of Delaware	Arctic Ocean Ecosystems - Applied Technology, Biological Interactions and Consequences in an Era of Abrupt Climate Change	\$0	\$0	\$23,415
34	2015-03-28-34	HE/University of Delaware	Mid-Atlantic Offshore Carbon Storage Resource Assessment Project	\$218,973	\$0	\$0
35	2015-03-28-35	HE/University of Delaware	Conditions for Giant Planet Formation: A Herschel Study of Raw Materials in Selected Debris Disks	\$2,508	\$0	\$0
36	2015-03-28-36	HE/University of Delaware	Innovative Prioritization, Design and Financing of Conservation Investments to Improve Water Quality	\$0	\$0	\$78,123
37	2015-03-28-37	HE/University of Delaware	Enhancing the Effectiveness of Stream Restoration for Nitrogen Removal	\$0	\$0	\$126,352
38	2015-03-28-38	HE/University of Delaware	A Physics-Based Process Model for Co-Cure Bonding of Honeycomb Core Sandwich Structures	\$0	\$0	\$331,106
39	2015-03-28-39	HE/University of Delaware	Materials to Direct Inflammation and Angiogenesis in Engineered Vascular Grafts	\$0	\$0	\$53,000
40	2015-03-28-40	HE/University of Delaware	GOALI: Collaborative Research: Industrial Implementation of Smart Biopolymers for Purification of Biological Products	\$12,000	\$0	\$0
41	2015-03-28-41	HE/University of Delaware	Collaborative Proposal: DNA Guided Assembly of Enzyme Cascades for Biocatalytic Fuel Cell Applications	\$12,000	\$0	\$0
42	2015-03-28-42	HE/University of Delaware	American Institute for Manufacturing Photonics	\$0	\$0	\$654,596
43	2015-03-28-43	HE/University of Delaware	Track Inspection of Curves with High Cant Deficiency Operations: A Manual for High Speed Passenger/Heavy Axle Freight Operations	\$0	\$0	\$62,016
44	2015-03-28-44	HE/University of Delaware	Development of Effective Methods to Prevent, Monitor and Respond to Foodborne Pathogen Threats to Produce Grown in Greenhouses	\$0	\$0	\$53,400
45	2015-03-28-45	HE/University of Delaware	Direct Conversion of CO2 into Methanol and Dimethyl Ether	\$0	\$0	\$301,709
46	2015-03-28-46	HE/University of Delaware	The National Center on Rehabilitation Outcomes and Assessment Research	\$4,219,778	\$0	\$0

47	2015-03-28-47	HE/University of Delaware	FY 2015 UD USDA/APHIS Plant Diagnostics Work Plan	\$3,363	\$0	\$0
48	2015-03-28-48	HE/University of Delaware	Establishing an Ocean Acidification Mooring Time Series Station in the Chesapeake Bay	\$0	\$0	\$58,641
49	2015-03-28-49	HE/University of Delaware	Novel Application of Pulsed Light Processing to Enhance Post-Harvest Produce Quality	\$358,475	\$0	\$0
50	2015-03-28-50	HE/University of Delaware	NSF Collab Rsch: REU Tear Film Dynamics: Modeling, Blinking And Computation	\$10,150	\$0	\$0
51	2015-03-28-51	HE/University of Delaware	Process Models to Predict Voids and Other Defects during Automated Fiber Placement	\$1,016,740	\$0	\$0
52	2015-03-28-52	HE/University of Delaware	Global-Local Progressive Damage Analysis of Composites under Low Velocity Impact and Compression after Impact Loading in LS-DYNA using MAT54 and MAT162	\$532,767	\$0	\$0
53	2015-03-28-53	HE/University of Delaware	Kaitlin Tucker DE Sea Grant Knauss Fellowship 2016	\$56,500	\$0	\$0
54	2015-03-28-54	HE/University of Delaware	Frances Bothfeld DE Sea Grant Knauss Fellowship 2016	\$56,500	\$0	\$0
55	2015-03-28-55	HE/University of Delaware	Erica Wales DE Sea Grant Knauss Fellowship 2016	\$56,500	\$0	\$0
56	2015-03-28-56	HE/University of Delaware	Symone Johnson DE Sea Grant Knauss Fellowship 2016	\$56,500	\$0	\$0
57	2015-03-28-57	HE/University of Delaware	Synthesis of Time-Series CO2 Observations From the Gray's Reef and Gulf of Marine Moorings	\$0	\$0	\$40,000
58	2015-03-28-58	HE/University of Delaware	Frontal Structures in the Columbia River Plume Nearfield - A Non-Hydrostatic Coastal Modeling Study	\$130,690	\$0	\$0
59	2015-03-28-59	HE/University of Delaware	Multifunction Photon Counting Ladar Development for Long-Range, High-Resolution Three Dimensional Mapping	\$718,492	\$0	\$0
60	2015-03-28-60	HE/University of Delaware	Comparative Effectiveness of Off-the-Shelf versus Custom AFOs with Varied Bending Stiffness Levels	\$0	\$0	\$78,358
61	2015-03-28-61	HE/University of Delaware	Ruggedized, Ultra-Compact, High Dynamic Range, Dual-Output Wideband Electro-Optic Modulator	\$0	\$0	\$167,117
62	2015-03-28-62	HE/University of Delaware	Pathways to Innovation Program	\$0	\$0	\$450
63	2015-03-28-63	HE/University of Delaware	EAGER: SusChEM: Investigating the Structure-Property Relationships of Sugar-Derived Block Copolymers	\$0	\$0	\$80,765
64	2015-03-28-64	HE/University of Delaware	Novel Links Among Rejection, Appetite-Regulation and Food Intake	\$0	\$0	\$19,696
65	2015-03-28-65	HE/University of Delaware	The Genetic Archeology of Modern Maize Breeding: Identifying Useful Genetic and Phenotypic Diversity Through Historical Pedigree Reconstruction	\$0	\$0	\$72,610
66	2015-03-28-66	HE/University of Delaware	The Effect of Soy Isoflavons on Cross-Talk Between Cancer Stem Cells and Immune Cells	\$363,613	\$0	\$0
67	2015-03-28-67	HE/University of Delaware	HHS Healthy Delawareans with Disabilities	\$250,134	\$0	\$0
68	2015-03-28-68	HE/University of Delaware	Multi-scale Defect Physics Integrated Composite Cure Model	\$1,462,605	\$0	\$0

69	2015-03-28-69	HE/University of Delaware	Triggering Plant Basal Immunity: Characterization of Fungal Genes and Plant Responses Underpinning Activation of Host Basal Defense	\$429,683	\$0	\$0
70	2015-03-28-70	HE/University of Delaware	An Underground Answer to an Aboveground Problem: Bacterial-Fungal Interactions That Lead to Plant Protection	\$347,413	\$0	\$0
71	2015-03-28-71	HE/University of Delaware	Sandia Krypton - 81	\$0	\$0	\$15,626
72	2015-03-28-72	HE/University of Delaware	Transient Dynamic/Impact Response using PDA	\$0	\$0	\$296,387
73	2015-03-28-73	HE/University of Delaware	Novel Links Among Rejection, Appetite Regulation, And Food Intake	\$0	\$0	\$12,276
74	2015-03-28-74	HE/University of Delaware	Self-Evaluation and Transition Plan Data Collection Support Under the Americans With Disabilities Act (ADA)	\$2,713	\$0	\$0
75	2015-03-28-75	HE/University of Delaware	Internalization and Dissemination of Human Norovirus and Salmonella in Growing Strawberry and Peanuts	\$0	\$0	\$73,503
76	2015-03-28-76	HE/University of Delaware	Information Processing & Fusion: Vulnerability Detection Using Data-Flow Graphs and SMT Solvers	\$12,443	\$0	\$0
77	2015-03-28-77	HE/University of Delaware	Sensory Processing for Balance Control During Standing and Walking in Children With CP	\$0	\$0	\$92,190
78	2015-03-28-78	HE/University of Delaware	Ab Initio Modeling of Strongly Correlated Thermoelectrics in Inhomogeneous Devices	\$0	\$0	\$288,462
79	2015-03-28-79	HE/University of Delaware	A Biomimetic Heterogeneous Synthetic Matrices for TMJ Condylar Cartilage Repair	\$0	\$0	\$92,060
80	2015-03-28-80	HE/University of Delaware	Dynamic Perturbation Training System for ACL Rehabilitation Phase IIB	\$0	\$0	\$159,456
81	2015-03-28-81	HE/University of Delaware	Collaborative: Dimensions: Cross-Arctic Analysis of Genotype-Phenotype-Phylotype Relationships in Dominant Tundra Soil Microbes	\$632,386	\$0	\$0
82	2015-03-28-82	HE/University of Delaware	Cisco Threat Detection using Distributed Machine Learning and Shared Indicators of Compromise	\$0	\$0	\$174,216
83	2015-03-28-83	HE/University of Delaware	A Cross Sectional Study to Determine Relationships Among Measures of Osteoporosis and Sarcopenia in People With Chronic Spinal Cord Injury and to Compare These Measures Between Those With and Without Lower Extremity Fragility Fractures	\$0	\$0	\$104,229
84	2015-03-28-84	HE/University of Delaware	Rubicon Post Doctoral Researcher	\$0	\$0	\$137,182
85	2014-05-31-08 Amendment	HE/Delaware State University	Renewable Resources- 2014	\$286,496	\$0	\$0
86	2015-03-28-85	HE/Delaware State University	2014 Farm Bill- Producer Education- Delaware State University Extension Services	\$7,300	\$0	\$0
87	2015-03-28-86	HE/Delaware State University	Kent Kids Re-Think Your Drink Campaign	\$0	\$0	\$7,000
88	2015-03-28-87	HE/Delaware State University	Multifunction Photon Counting LADAR Development for Long-Range, High-Resolution Three Dimensional Mapping	\$1,077,850	\$0	\$0
89	2015-03-28-88	HE/Delaware State University	Enhancing Telecommunication Capabilities of the Aquaculture Research and Demonstration Facility to Facilitate K-12 Interaction with DSU Research Scientists	\$590,933	\$0	\$0
90	2015-03-28-89	HE/Delaware State University	Sowing Community Garden Seeds: Using Urban Agriculture to Enhance Food Security and Nutrition for Delaware's Economically At-Risk Residents	\$438,651	\$0	\$0

91	2015-03-28-90	HE/Delaware State University	Addressing the Needs of Niche-Market Poultry Procedures by Establishing a Pastured Poultry Research Unit on the Delmarva Peninsula	\$589,827	\$0	\$0
92	2015-03-28-91	HE/Delaware State University	Organic Specialty Crop Management: Soil Microbial Health and Food Safety on High P Soils in Delmarva	\$20,000	\$0	\$0
93	2015-03-28-92	HE/Delaware State University	Multi-Institutional Student Experiential Learning & Outreach on Sustainable Agriculture, Food Security, and Environmental Health: Future Workforce Preparedness & Adaptation to Climate Change	\$599,999	\$0	\$0
94	2015-03-28-93	HE/Delaware State University	Initiation of a Large-Lands Agricultural Research Program at DSU	\$300,000	\$0	\$0
95	2015-03-28-94	HE/Delaware State University	Collaborative Initiative to Assess & Develop Intervention Programs to Combat Obesity Among Long Income Families	\$249,917	\$0	\$0
96	2015-03-28-95	HE/Delaware State University	Adaptive Modulation of Excitability in Motor Neurons	\$50,000	\$0	\$0
97	2015-03-28-96	HE/Delaware State University	Structural Characterization of Putative Modified Lignin Isolated from Transgenic Homozygous Tobacco Lines Constitutively Expressing a Bacterium Lignin Peroxidase	\$0	\$0	\$75,000
98	2015-03-28-97	HE/Delaware State University	Drink a Little Think A Lot Campus & High Outreach 2015	\$0	\$0	\$2,455
99	2015-03-28-98	HE/Delaware State University	Increasing Horticulture Based Outreach and Extension Program Activities within Delaware Small Farms II	\$248,930	\$0	\$0
100	2015-03-28-99	HE/Delaware State University	Transgenic Cassava with Improved Biomass Yield and Quality of Bioethanol Production	\$299,999	\$0	\$0
101	2015-03-29-01	HE/Delaware State University	Development of Epigenomic Tools in Legumes- Global Understanding of Biotic Stress Methylomes and Transcriptomes in Common Bean	\$499,983	\$0	\$0
102	2015-03-29-02	HE/Delaware State University	Synthesis of Beta-Sitostery Fatty Acid Esters for Incorporation into Reduced Cholesterol Butter and Cheese	\$499,850	\$0	\$0
103	2015-03-29-03	HE/Delaware State University	The Use of Direct Solar Aeration Technology to Improve Water Quality in Water Retention Ponds in DE	\$0	\$0	\$99,511
104	2015-03-29-04	HE/Delaware State University	Nanomaterias Detection in Food, Water, and Environmental Waste by Inductively Coupled Plasma- Mass Spectrometry (ICP-MS)	\$149,838	\$0	\$0
105	2015-03-29-05	HE/Delaware State University	Predicting the Impacts of Climate Change on the Distribution of DE's Invasive Plant Species	\$294,825	\$0	\$0